

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: n5off@w5ddl.aara.org
Subject: 75A4 High S.N.?
Message-ID: <427079@w5ddl.aara.org>

What is the highest 75A4 S.N. that you've seen?

73 de tom

Still Wanting: BC-348 New Condition
Keeper of Collins receiver contract data for BA.
Reply to: n5off@w5ddl.aara.org@usl.edu
Phone 318-989-3430

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Kevin McDonald <kevin.mcdonald@tivoli.com>
Subject: Any PRC-25 Junkers available?
Message-ID: <31FBCBB7.7ADC@tivoli.com>

A friend of mine Ron Feisler is president of the Vietnam Veterans Association of Texas. They are non-profit and do various things to raise money such as Bingo, Hot Dog stands at Confederate Air Force shows etc.

This money goes to VA hospitals and other assorted good deeds.

He is looking for a PRC-25 radio to help complete his full dress Marine Parade getup, and to help give atmosphere to the L-Z hotdog stand.

I researched it and a Fair radio \$250 setup is way too much!

Does anybody have a rig they would part with for \$50 - \$75?
It can be non-functional, incomplete, corroded, etc.
Just so that it looks like a PRC-25.

If anybody has such a rig I can forward Ron's landline #.

Thanx.
Kevin.

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: drhydro@ames.net (Paul Nelson)
Subject: BAs and Oshkosh
Message-ID: <v01540a00ae212edda723@[1.1.1.1]>

Anybody going to Oshkosh this week for the fly-in? I'll be there from Wednesday through the following Monday, if my plans don't get waylaid-camping in Camp Scholler. Be hanging around the Antique-Classic area or the Cessna 140 forum....lessee if we can get together for a combination ragchew and hangar fly.

Email me privately- if there's enough interest, I'll post a summary.

(apologies to those BAers who may not, through no fault of their own, also be flyers! ;-))

and, BTW, any BA haunts in that part of Wisconsin?

Paul Nelson W5GNF
Ames, Iowa

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@ames.net)

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996

From: Terry Burge <terrybu@netman.ENS.TEK.COM>

Subject: Boatanchor finds this weekend

Message-ID: <9607281625.AA22549@netman.ENS.TEK.COM>

Gang,

Well, the antique radio swapmeet in Keizer Oregon was a pretty decent affair and we had quite a bit of turnout. Your's truly took down a couple of S120's, S200, S85, SX-71 and two NC-57B's. I sold the SX71 for \$95 and the NC-57B for \$60. Both had been gone thru completely with new caps and most of the resistors in the SX71. Got to do something with all this time on my hands (hah!).

I picked up a non-working HQ-129X and something I've never seen before, a Breting 12. Chrome chassie and all. Moorse book says 1935-6, .55-30Mhz, crystal filter, 12 tubes and (get this) 'Dual meters read percent, modulation and field strength.' Anyone know about these? The case has been primered including the front panel but they did do a good job. Might be putting this up for sale once I figure out what I've got. This Breting seems to be in good shape. Neat front panel.

Terry
KI7M

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Kenneth Warren <KenwK7RPX@worldnet.att.net>
Subject: Re: Corrosion
Message-ID: <19960728023906.AAA2166@LOCALNAME>

I have had very good luck using a product called lime away which I have found at most supermarkets. Just soak a Q tip or old tooth brush in it and scrub for a few seconds. Usually find that the chrome plating has been eaten off the contact springs but sometimes a little solder will make them look better or just leave them striped.

Ken Warren K7RPX

Ken_Warren@bsd.beavton.k12.or.us
KenwK7RPX@worldnet.att.net
Ken Warren K7RPX

Ken_Warren@bsd.beavton.or.us
KenwK7RPX@worldnet.att.net

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: Re: Corrosion
Message-ID: <199607281544.IAA10480@dfw-ix9.ix.netcom.com>

At 08:11 PM 7/27/96 -0500, Lahlum-FLR111 Ross wrote:
I use a bit of baking soda in water applied with an old toothbrush to neutralize the acid, then go after it with a brass bristle brush or fine emery paper. Seem to have had to do this a few times recently, and have had good results this way. BTW, not a bad idea to use rubber gloves....

73,

John
N0GII

>Anybody know a good way to remove leaky battery corrosion from a battery
>terminal? I am presuming it's from carbon-zinc cells, although it could also be
>from alkaline cells.
>Does this stuff pose any kind of health risk?
>
>Thx es 73,
>Ross KB9JJR
>

>

jschwart@ix.netcom.com

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: Deleware/Lehigh Hamfest Aug 4th
Message-ID: <19960728.162952.4447.0.k7yha@juno.com>

Gang:

Several members of the list have asked me about the DLARC Hamfest next weekend. this will be my 4th year going, and each year I have seen a larger interest in BAs.

Place: Career Institute of Technology, Easton, PA
DATE: Aug 4th, 1996
TIME: Vendors 6 AM/Public 7AM
COST: \$4 admission, \$7 for Tailgaters, \$14 indoor booths.
POC: Amy Zimmerman, KD3TI (717) 386-3513 or call the DLARC answering machine at (717) 820-9110 for directions.

In the past, this has been an excellent hamfest (although so far this year attendance at the fests I've been to have been down by about 30%) and there have been a good selection of BAs for sale.

73 rich K7YHA

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Thomas A. Adams" <103360.2133@CompuServe.COM>
Subject: EPROM programming software needed
Message-ID: <960729003538_103360.2133_JHL47-1@CompuServe.COM>

Greetings.

Please excuse a message that isn't BA related, but perhaps somebody on the system can help.

After years of drooling over them in the JDR Microdevices catalogue, I finally broke down and bought myself an EPROM programmer. Problem is, they don't include program writing software.

I understand that Motorola and Intel have both produced freebie or shareware editor / assemblers for doing the job, but I have no idea where to get them.

By any chance, does ANYONE out there have such a critter dwelling on his / her hard disk that they'd be willing to copy to a floppy or send as an E-MAIL file?

The automatic CW keyer for my proposed 30 metre QRP beacon rig awaits your assistance!

73's,

Mr. T, K9TA

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: don merz <71333.144@CompuServe.COM>
Subject: Free boxes and 'scope wants
Message-ID: <960728171552_71333.144_DHB41-2@CompuServe.COM>

I have two original boxes that are yours for the postage if you want them. One is for the Eico 710 grid dipper and the other is for the Dentron Clipperton L linear smplier. Both boxes are shiping boxes with mailing labels and such on them. The amp box has original packing with it. The 710 box in in just fair condition and is empty.

Some 'scope wants:
Dumont 329 manual and some knobs needed.
Western Electric KS-15586 manula needed (I think this is the same as the Dumont 2577 'scope).

[A
[AThanks,
73, Don

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS Simpson 260
Message-ID: <960728023345_75301.3141_GHI68-1@CompuServe.COM>

I have a Simpson 260, Series 6 for sale. It is in good shape, but has crack on side of the back cover.
It has Rockwell-Collins test equipment tags on it. I bought it at a Collins employee test equipment sale.

Price is \$40 plus UPS from Cedar Rapids.

Thanks,

Mark

NOJWI

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996

From: "Mark S. Hovda" <75301.3141@CompuServe.COM>

Subject: FS: Hallicrafter R-46A Speaker

Message-ID: <960728221312_75301.3141_GHI38-1@CompuServe.COM>

I have a R-46A speaker for sale. It is in nice shape. It has no significant scratches or chips and has no rust or dents. It does have typical wear and tear, but was never abused. The grill cloth is in nice condition, the cloth has 3 VERY SMALL discolored spots. The spots are 1/8 inch in diameter or less. It is conservatively a 7.5 on a scale of 1 to 10.

Terms: Best offer over \$50 received in my e-mail box by 5:00PM CDT Wednesday July 31st. I will not share the high bid until after bidding period closes. No phone calls please.

Thanks,

Mark

NOJWI

75301.3141@compuserve.com

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996

From: billo@nti.net (Bill Wilson)

Subject: FS: Radios and tube checker

Message-ID: <19960728024247162.AAA1197@LOCALNAME>

I have the following for sale;

1) Military radio/transmitter in same case. RCVR-XMTR radio RT 654A/TRC-77, made by Arvin. Small, DC radio, six crystal rx and tx positions. It does work, listened to Radio Havana Cuba with 2 feet of wire.(one of the rx crystals is 6 mhz.) It is green and not heavy, only 12 lbs. It is a hybrid rig; two tubes, the rest is solid state. Includes power cord and phone plug. Very clean inside, normal wear outside. Asking \$45.

2) U.S. Naval training device center # 8M3A. Morse code training aid with reel of punched paper tape and take-up reel. Also has key jack, buzzer, blinker and volume, 40 lbs. Made in 1964. Asking \$35.

3)TV7/DU tube checker. Has book but missing handle and pin straightener, works fine. 19 lbs. Asking \$75.

4)ELMAC model PMR-6A. Small black mobile shortwave set. AS IS. It does not have the power cord or manual, front plastic has yellowed. 6 lbs. Asking \$25.

5) Hallicrafters SR-42 two meter FM radio. Has relay problem but I did get it to work with applied pressure to relay with pencil. Hears fine and needs a little cleaning. Comes with mic and non-Hallicrafters speaker. (original was removed). This is a four crystal controlled transmit (with crystals) and VFO to scan the bands. 16 lbs. Asking \$25.

6) RCA, JAN tube, new in box, (although box is beat-up) type 810. Dated on box 1944. Please make offer as I don't know a reasonable price.

All above plus shipping from Alabama, zip code 36265.

Thanks,

Bill
AC4LC

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Jay Hauteman <caf@airmail.net>
Subject: FS: RT-159/URC-4 Xcvr.
Message-ID: <m0ukbj9-000F0PC@mail.airmail.net>

I believe this xcvr. is a 50's vintage pilot survival radio. The radio appears to be in good condition. I do not have the battery pack for the radio. Price: \$25.00 plus shipping.

Regards,
Jay - WA5DCG

caf@airmail.net

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Kevin McDonald <kevin.mcdonald@tivoli.com>
Subject: HQ-145 getting straightened out (me and the rig)

Message-ID: <31F934EA.5680@tivoli.com>

Talk about obsessing on the wrong part of the radio!
I've fixed the Power Supply in the HQ-145. It wasn't hard because there never was a problem with the PS!

I don't know how many filter caps, filter chokes, tubes I have replaced in this unit.

What I had is a very straight forward short in the B+ circuit.

Finally I got smart (with a lot of suggestions from the BA folks) and checked the resistance to the B+ circuit - 1.3 ohms! I then left the plug out of the wall and desoldered my problem area around the RF transformer. Soon I found a lead to ground that didn't look original. left it out and resistance in circuit went to 131K ohms. PS happy, all sub circuits, gain controls BFO etc. work. Lots of static and birdies but no off the air signals yet. Signal generator injections tune in etc.

The transformer I suspect is not original as my 145Q schematic shows a 6 lug unit and what I have is a 4 lug unit. I have a straight 145 model.

What I've learned from the all the e-mail from the BA folks on this.

You can debug most PS problems without having the unit plugged in. All the responses I got recommended doing this type of debugging without lethal voltages running through the unit.

Check for any measurable resistance to ground or between windings. You can power the unit with 12 volts or less (AC) and check your xfmr voltages etc. - just divide out by 10 for 12 volts etc.

You can isolate and check the resistanceís of all the circuits the PS is connected to. Much safer, much quicker, etc. This turned out to be my problem and I didn't have to prowl around 250 volts to do it.

Big sparks mean big voltages mean big trouble - very unfriendly to the human body. I have to admit there were a lot of people out there concerned for my well being!

Now to find out the correct xfmr and see if I can obtain one!

Diagram follows

Front panel of HQ-145

BFO X X slot freq etc.
 * * <-- 6BE6
 X X <-- totally destroyed up 4 lug transformer

power
supply
area

The transformer is labeled:

ARTTED CO INC.
38817-1

It has 4 lugs with two separate coils.
My 145Q schematic shows this to be L6 or L7 both of which
are 6 lug transformers - my transformer may be the correct
for the 145 or may not be correct at all. the circuitry has
been resoldered in various places and hard to tell what has
been modified/replaced. what I have doesn't match the Q
schematic in any meaningful way.

Getting closer and learning plenty!
Kevin.

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Robert Nickels <ranickel@mwci.net>
Subject: HRO 60 coils
Message-ID: <31FBA8E2.11B0@mwci.net>

Hi Gang,

Trying to help a new BA-ite get an HRO-60 going. It came with only
the "B" coil, so A, C, and D are needed. Since these aren't the
rare ones that *everyone* is looking for, I'm hoping we can scare
up a set. BTW, can someone confirm that the coils for the HRO-50
and -60 are the same, or not?

Thanks and 73,

Bob KE0T
ranickel@mwci.net

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Lrware@aol.com
Subject: Larry's free stuff (the cleanup round)
Message-ID: <960728132002_443798006@emout07.mail.aol.com>

Good afternoon folks:
It's time for Larry's almost free parts list, the cleanup round...
This will be the last post, as my spring cleaning is done.
Anything not spoken for will be added
as freebees to other outbound parts shipments...
(It's amazing the lengths I'll go to in order to avoid
"taking out the trash..." :-)
Today for your edification and amusement,
(drum roll for effect here please.... :-)
I offer the following for shipping costs to whoever
can use them:

LOT 1 & LOT 2: (two left)
RCA brand "Sealed Selectivity" filter assy.
Center freq. 455 Khz, B/W 12 Khz.
P/N 3460514-7
1" X 1" X 3" (apx.) sealed filter with micro coax.
input and output cables. (untested, as-is)
Removed from junk Motorola police radio.
Some initial testing by a BA member who got one of these
leads me to believe they are an LC type, not mechanical or X-tal.

LOT 3:
Sweep Power tubes of various types:
17KV6
21GY5
22JR6
22KM6
22KV6A
24LQ6 qty.2
30JZ6
All are NIB from a large lot of tubes I bought a while back.
If your into firebottle TV's, these are for you...
Might also be useful for a really different QRP transmitter.

Other odd tubes:
Another BA'er lamented that he had no idea what some of
the tubes in my other posts were,
so a short discription is included this time...

LOT 4: (pulls)
qty. 5 type 0A2 voltage reg tubes.
operating voltage about 150VDC.

LOT 5: (pulls)
qty. two type 5814 med. mu trin triode.
special 12AU7

LOT 6: (pulls)
qty. two type 6005 beam power amp.
special 6AQ5

LOT 7: (pulls)
qty. two type 6AH6 sharp cutoff RF pentode.

LOT 8: (pulls)
qty. two 6J6 med. mu twin triode.

LOT 9:
Photocopy of Sams Photofact service data for a
Johnson Messenger II (misc. models)
(Older firebottle CB radio)

LOT 10:
Some kind of EICO 235 diagram's, and EICO 955-1 construction book.
Pace scan 308 owners manual.

In order to receive these items for only shipping costs,
you must do the following.

Tell me why you need/want them, points awarded for:

- a) Owning equipment that uses them.
- b) Needing them for a home-brew project.
- c) *Making up an outrageous story of what you will use them for. :-)
 * For item "c" the taller and more unbelievable the better...

Those of you who asked for something from the earlier posts -AND-
have not recieved a "it's been shipped" e-mail, should contact
me again... I had a minor hard disk problem a few days ago and
may of lost some messages... :-(

-Larry Ware
lrware@aol.com
Orlando, FL

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: AviDov@aol.com
Subject: odds & ends available
Message-ID: <960728112351_165972821@emout15.mail.aol.com>

A-83 Dummy Load
AN-29 Telescoping Ant
Repl.Ceramic Switch Sections p/o BC-939

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "John E. Vercellino" <104204.2650@compuserve.com>
Subject: Question on the 50A1 Tube
Message-ID: <199607281431_MC1-757-3D7E@compuserve.com>

I'm trying to resurrect a Zenith Transoceanic, and I've discovered that one of the tubes, the 50A1, is no good. It appears from the schematic that the 50A1 is a regulator which maintains a constant current to the filaments as line voltage fluctuates. What it appears to be is a resistor of some value. I looked in the Antique Electronic Supply catalog, and they list a new 50A1 for \$25.00, and the 50A1TR as a replacement for \$11.70. They describe the 50A1 as a "plug-in resistor which replaces the standard 50A1." Both are a little more than I care to spend.

Can anyone tell me more about the 50A1 and a possible replacement resistor that I could use?

73 John WB90VV

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: RAO and NC-100?
Message-ID: <199607280639.XAA20064@mail.eskimo.com>

Hello wise folks familiar with real radios,

In my continuing search for various radios that I remember from my past, the National RAO is one I have seen many of but never owned. The RAO, from information presented in Moore's book, was a general coverage receiver used by the US Navy during WWII. I had always thought it was more or less an entertainment receiver but I don't think that was really the case since it included crystal filtering. Moore's book also states that the RAO was the Navy version of the NC-100 series of receivers that were designed for ham band use. I am thinking about the possibility of finding one of each. I think the RAO should be rather common, or at least it used to be, but what about the NC-100? Anyone familiar with the use and operation of these receivers, and what you think of them would be appreciated.

73 Jim K7SLI

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)

Email: basalop@eskimo.com FAX: 360-659-1360

Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996

From: aa4rm%amos@mathcs.emory.edu (AA4RM's)

Subject: Re: RAO and NC-100?

Message-ID: <9607282312.AA04056@amos>

NC-100 was a PW-dial (HRO) thingy made ~1936. Gen'l coverage, octal-tubed critter. NC-101 was ham-band version. Both had rack-operated sliding coil ass'y.

Collossal sales flops, those. '100 built for consumer mkt (had neat red trim) but who wanted to x-ref charts with 'micrometer dial' for latest Hitler blurb?

So ~1938 these were trashed for the airplane dial 100A & 101A whoopies. Brown wrens both of them & it was from the 100A the RAO evolved... but it had an untuned 2nd input RF amp that 'stuck out the back" ala Scott SLR / USN RCH. Supposed "low local osc. radiation" so Heinz on the U boat couldn't hear the Liberty ship radio shack. (WW-I regen IP501s could be heard for 100 miles but RF amp-equipped superhets were undetectable - Scott did a huge sales job on the USN)

The post-war NC2-40/2-40d (dual conv.) was the end of the coil-rack Nat'ls.

Ask what time it is & you get a watch building lesson.

MR

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996

From: k7yha@juno.com (richard h. arland)

Subject: SX-117/HT-44 For Sale Mssg

Message-ID: <19960728.162953.4447.1.k7yha@juno.com>

Gang:

I've tried calling the number listed on the fwd mssg (561) 452-7904 in Palm

City, FL to buy this station. I get a "unable to complete your call as dialed"

recording from the telco.'

The 561 area code is in FL but the info op here in the Scranton area does not have a valid NXX code for Palm City. Anybody know if this is a bogus number or what?

73 rich K7YHA

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: The joy of tubes, Austin Hamfest, SP-400, SP-600 panel
Message-ID: <31FACE70.54AC@ghgcorp.com>

Hello everyone...

Yet another hot night here in Houston, and as usual I am making life even harder on the air conditioning (set at a balmy 80 degrees F because my power bills are high enough already!) by generating another couple a hundred watts of heat with the R-366. But the thrill of turning this rig on is worth it! Nothing like turning the rotary switch for OFF to B+ OFF, watching all the filaments heat up, especially the big ones in the 5R4GYA rectifier, moving the rotary switch to B+ ON, seeing the VR tube fire with it's purple glow (what a pretty tube!) and hearing WWV coming out of the speaker! Ahhhh, life is good.

But I did have a point to this message besides waxing poetically about the joy of tubes! A bunch of us Houston BA folks got together at the shack of Phil Mills for a mini hamfest, but more on that later. It was good to meet some of the faces behind the names! So I propose this: I'd bet there is going to be a whole truckload of us going to the Austin Hamfest next weekend. I propose we set up some sort of meeting place so we can all share stories, compare notes, and BS about our purchases! Perhaps we could gather someplace and head somewhere for lunch about noon or so? Ideas? Is there someplace central we could meet?

All of us Houston BA types gathered at Phil's house for the splitting up of 6 or so Hammarlung SP-200's and 400's. I took home one of the 400's.

All were complete but very rough! The one I got was complete with power supply, and looks poor but I figure it should work fairly well once I figure it all out. One puzzling thing is that some of them had the octal tubes replaced with miniture types, and to varying degrees! (the one I took home has only one miniture tube, a 12AT7 (no I don't know what tube it is replacing). I recall some discussion about this a while ago, can anyone provide insight as to why?

One last peice of info and I'll shut up, I promise! Prepped the SP-600

front panel for its final painting, a coat of clear rust oleum. I wet sanded it down with 600 grit to remove some of the streaks from the laquer stick, and oooohhh does it look nice. The only blemishes are that the EXT lettering looks distorted and the INT lettering got a little bit of red tinge to it. Otherwise, looks sharp! I am pretty happy with it, as it is my first panel refurb.

Well, have a good evening everyone!

73,

Ben

P.S.: BBC sounds good with PP 6A05 audio... Not tooo much hash from my monitor either...

--

From the computer of
Benjamin D. Hall, Houston Texas
BDHall@GHGCorp.com -or- BHall@GP802.JSC.NASA.gov

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
Subject: Timonium MD Ham Fest
Message-ID: <Pine.A32.3.91.960728155147.22462A-100000@ppdu.nrl.navy.mil>

I also went to the Timonium MD BRATS Ham Fest and was pleased with the large quantity of BA's for sale. I was a Hammerlund HQ-170, Collins R-392, Collins KWM-2a, Collins S-line, vacuum tubes by the box-full, and even some nice antique radios. Unfortunately, I have promised not to buy any new BA's until I refurbish the current stock of radios.
Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Gary Mitchelson <garym@cais.cais.com>
Subject: Timonium MD hamfest
Message-ID: <2.2.32.19960728191937.0097d654@cais.com>

Saw a several boatanchors at the hamfest today.
One R390A from a 55 Collins contract for \$350.
Also saw a guy with a R391 and a nice SP600, not sure of the asking price.
I was looking for a good price on a Heath SB220 but saw nothing.

Gary Mitchelson
Racal Recorders, Inc.
garym@racalrecord.com -or-

gary_mitchelson@usa.racal.com Work
N3JPU

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: John Kolb <jlkolb@cts.com>
Subject: TMC VFO
Message-ID: <Pine.SCO.3.91.960727213853.29864D-1000000@sd.cts.com>

Among the sins of my past was stripping down a TMC VFO which I recovered from a metal scrapyard. This was a rack mount unit, (2 - 3 MHZ?) ,used in a number of TMC transmitters. Very badly weathered and the particle board insulation had been waterlogged.

Anyway, I still have the main part, a 8" cubed cast aluminum box containing the VFO circuitry, 3 tubes, and precision tuning cap - with a cam system for adjusting linearity with dozens of setscrews. Also contains the Bailey 100 kHz xtal and oscillator circuitry used to

Anyone want to bid on this? Cash or e-mail for want list -
Weights about 10 lbs before boxing for shipping.

John Kolb KK6IL jlkolb@cts.com Ramona, CA

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: Tubes FS: NIB 45s
Message-ID: <960728180858_75301.3141_GHI38-1@CompuServe.COM>

I have some New In Box 45s for sale. I have 4 RCAs and 4 National Unions. The boxes are in good shape and I have tested the tubes on my TV7. \$30 each plus \$5 for UPS. Note that Antique Electronic Supply is paying \$30 for NIB 45s, I have not called to see what they are charging.

If I get a large response, I reserve the right to limit quantities to two per buyer.

Thanks,

Mark
N0JWI

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: Dmpetrich@aol.com
Subject: Want: part for HRO-60 !
Message-ID: <960728125323_247428634@emout18.mail.aol.com>

Does someone out there have a "2nd conversion coil" "T9" for the HRO-60????
I need one to fix a lingering problem of the 2nd conversion frequency
jumping by 200KC's from time to time.

I was on 20M last friday and I heard some AM activity at around 14.3. When I
tried to give the persion a call the HRO jumped and I was dead in the water.
So I want to finally fix this 4 year lingering problem. Oh by the way I
have already replaced the caps in the can so I know it isn't that.

Thanks in advance. . . . 73's

From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: spr@earthlink.net (Scott Robinson)
Subject: WARNING: possible Hickok tube tester error
Message-ID: <v0153050bae2121ec5d41@[153.37.85.104]>

Rectifier Tube Types and Accuracy in Hickok Tube Testers

All Hickok models I know about (post WWII ones) have essentially the same
transconductance measuring circuit. They use two rectifiers- a type 83
mercury vapor type for the plate circuit and a type 5Y3 for the grid bias.

83s aren't terribly common, and one of my testers had a 5Z3 in the 83
socket when I got it. Until I got a manual, I didn't even know the 5Z3 was
wrong. Upon learning that the correct tube was an 83, I wondered if it
mattered.

Short answer: it does, and makes quite a difference for some tubes,
particularly power triodes! I hope you didn't throw those marginal 2A3s
away...Further short answer: a pair of 1N4007 sand diodes works fine, too.

The Hickok documentation I have stressed that the 83 was used to keep the
tube tester plate supply impedance down. This matters because they are
testing exactly Gm, which means plate current variation for CONSTANT plate
voltage due to grid voltage variation. Hickok indicates that this is
particularly important for low plate resistance tubes (6AS7 / 6080 / 6336
family worst case at 280 ohms).

I present below test results for several tubes tested with 5Z3 / 83 /
1N4007s installed in the tester, a model 533A. Both rectifier tubes (5Z3

and 83) were tested and read good. Entries in the table are the measured transconductances with the indicated rectifier installed, except for Rp column, which is the plate resistance in ohms:

Tube	Rp	83	diodes	5Z3			
6AS7G	280	3400	3700	2220			
6BL7GT	2150	4600	4800	3800			
2A3	800	3200	3150	2600			
45	1700	1250	1250	1050			
6C5	10,000	2000	2050	1950			
6AB4	15,000	3400	3600	3570			
6550	high	7000	6500	6200			
5V4G	relative strength, not Gm>>>				0.73	0.70	0.77
5U4G	relative strength, not Gm>>>				0.42	0.42	0.47

As can be seen, the largest difference is with power triodes, as they have the lowest plate resistance. The transconductances were measured with the meter switch set to the fixed scales (3000, 6000, 15000 umhos) so that exact repeated accurate setting of the "English" pot would not be required. The line voltage pot was very carefully set. Even so, I expect that repeated measurements might have a + -3% or so uncertainty. Therefore differences of a few percent probably don't mean anything.

I also checked the effect of the rectifier type on filament voltages. Since the rectifier being changed is used to generate the DC voltage that the "line check" function reads, it's possible that the rectifier type could affect the actual voltages delivered to the tube under test. I measured the actual delivered heater voltages at the tube socket with a Fluke 87 DVM, which is a true RMS AC instrument good to 1% or better on AC. Table entries are measured filament voltages, except for the Fil V/A column, which indicates the rated filament voltage and current.

Tube	Fil V / A	83	diodes	5Z3
6AS7G	6.3 / 2.5	5.25	5.25	5.19
6BL7GT	6.3 / 1.5	5.88	5.93	5.83
2A3	2.5 / 2.5		2.01	1.98
45	2.5 / 1.5	2.27	2.30	2.24
6C5	6.3 / 0.3	6.57	6.59	6.30
6AB4	6.3 / 0.15	6.59	6.66	6.55
6550	6.3 / 1.6	5.81	5.84	5.73
5V4G	5.0 / 2.0	4.47	4.49	4.47
5U4G	5.0 / 3.0	4.06	4.12	4.06

Note that this tester runs high current drain filament tubes at lower than rated filament voltages, presumably due to voltage drop in the transformer

windings, pinout switches, and wiring. Note also that the average voltage between high and low drain tubes is more or less right-low drain types run a bit high, high drain types run low.

It's also worth noting that the rectifier type makes no significant difference to the heater voltage obtained with the line pot carefully adjusted for pointer on the line marker.

NOTE: Here's how to connect the diodes: Wire one 1N4007 with the cathode at pin 1 and the anode at pin 4 of the 83. Wire the other with its cathode at pin 4 and its anode at pin 3. I installed them in a 4 pin plug so I did not have to modify the tester.

Scott Robinson
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From boatanchors@theporch.com Sun Jul 28 20:09:50 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Zapping TR4C--or not!
Message-ID: <Pine.SUN.3.91.960728102545.16100D-100000@indy2>

Hi!

Well, 'twas as suspected, the 80m skywire at work is a bit off-resonance--being strung between the far ends of two metal construction trailers and getting most of its height by dint of being over a low & swampy patch just **might** have something to do with that. (And it doesn't help that Drake had to put a lot of xcvr in a very small space and therefore stinted the pi-matching range on 80; several folks pointed out that the manual isn't kidding about it wanting a very close match on that band).

...Tuned up smooth as silk into a 50R dummy and later into a 40m dipole a bit higher off the ground. (2x the height at 2x the frequency doesn't just add up, it multiplies!)

So barring some cut & try on 80, 40 it is. If we don't have rain, I'll try the BA-net check in on 7.05 the next few nights!

The TR4C speaks well of Darke & the list member who sold it--didn't even open it up, just hooked it up (with precautions!) and it works. (Can't blame it that I hadn't done my part too well! <wink>) Oh, this modern stuff.... (I did plug in the Mac Streamkey to take some of the "new" off).

73,

--Bobbi